

OCTOBER 2011 **P/ID 17455/RCE/PCAJ**

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

All questions carry equal marks.

1. (a) Explain in brief about quality function deployment.

Or

- (b) Explain the characteristics of software measurement.

2. (a) Define the terms :

(i) Quality of design

(ii) Quality of conformance.

Or

- (b) Write the objectives of formal technical reviews.

3. (a) What are the base line criteria in software configuration management?

Or

- (b) Define system engineering and write its features.

4. (a) Mention some of the design principles.

Or

- (b) Compare system and system engineering.

5. (a) What are the various real time systems and give example?

Or

- (b) What are the reasons behind white box testing?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

All questions carry equal marks.

6. Discuss in detail about software design documentation.

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7. Describe the design procedure for real time and distributed system software.
 8. Explain the activities and frame work for software process.
 9. Describe the steps required to perform statistical software quality assurance.
 10. Explain the various software configuration management tasks in detail.
 11. Describe the various software testing strategies.
 12. Discuss in detail about functional modeling.
 13. Explain the hierarchy of business process engineering.
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